

July 15, 2019

Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 Twelfth Street, NW
Washington, DC 20554

RE: Notice of *Ex Parte* Presentation—
ET Docket No. 13-49 (Revision of Part 15 of the Commission's Rules)
GN Docket No. 18-357 (5GAA Petition for Waiver to Allow Deployment of Cellular
Vehicle-to-Everything (CV2X) Technology in the 5.9 GHz Band)

Dear Ms. Dortch:

On July 11, 2019, representatives from General Motors Holding LLC ("GM")¹ and I met with Julius Knapp, Chief, Office of Engineering and Technology ("OET") and others regarding the above referenced proceeding. The names of the participants are set forth on page two of this notice.

In our meeting, we first highlighted GM's longstanding commitment to safety and innovation, and noted that the company's capital investments in the U.S. have totaled more than \$23 billion since 2009. Next, we discussed and shared the attached map, which depicts current and near-term future usage of the 5.9 GHz band, including operational and planned connected vehicle deployment locations. Finally, we clarified that W Band spectrum (77—81 GHz) is not suitable for terrestrial (safety/mobility) communication because the W Band spectrum is non-broadcast; not line-of-sight; and travels over only limited distances.

Sincerely,

/s/

Angela E. Giancarlo
Counsel for General Motors Holding LLC

Attachment

¹ For purposes of this meeting, GM includes all of its affiliates and subsidiaries.

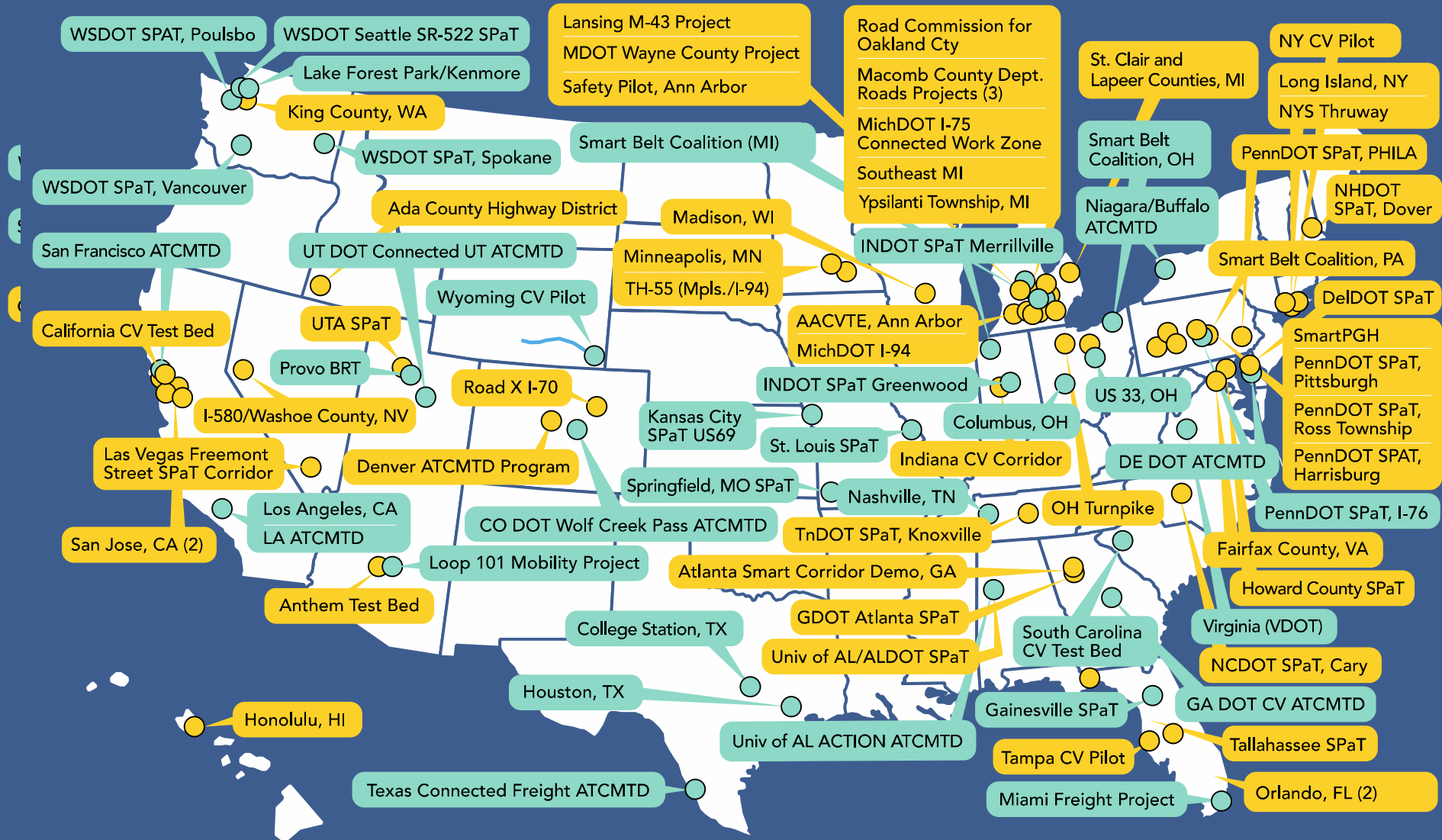
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cc: Julius Knapp
Ira Keltz
Jamison Prime
Aspasia Paroutsas
Howard Griboff
Paul Murray
Patrick Forster
Syed Hasan

Attendees from GM:

Name	Title
John Capp	Director, Global Vehicle Safety Technology & Strategy
Scott Geisler	External Safety Collaboration Lead
Hollyn Schuemann	Executive Director of Federal Affairs
Richard Lopez	Director of Federal and Administration Affairs
Reagan Payne	Manager of Emerging Technologies Policy

Uses of the 5.9 GHz band: Connected Vehicle Deployment Locations – Planned and Operational



- Planned Projects
- Operational Projects

Source: Volpe, the National Transportation Systems Center (USDOT). May 2019.
The project information and data contained on this map was gathered from publicly available materials and is subject to change.

	#Projects	#Devices*	#Infrastructure
Planned	35	3,266	802
Operational**	52	15,435	6,086
Total	87	18,701	6,888

*Includes aftermarket devices

**Includes devices in phased deployments